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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Clewis *et al* : Date: March 20, 2002

Serial Number: 10/038,136 : Group Art Unit: 2171

Filed: October 26, 2001 : Examiner: Unknown

Title: DIRECTED NON-CYCLIC GRAPH WALKING SYSTEM AND METHOD : IBM CORPORATION
Intellectual Property Law
: MD90/201-1
8501 IBM Drive
: Charlotte, NC 28262

OIPE JC184 MAR 25 2002 PATENT & TRADEMARK OFFICE

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INFORMATION DISCLOSURE STATEMENT (IDS) UNDER 37 CFR 1.97

Commissioner For Patents
Washington, D. C. 20231

Dear Sir:

The attached Form PTO-1449, and any attached foreign patent office search report, provides a listing of information which may be relevant to the subject application. This IDS is not intended as a representation that better art is not available, nor that the information provided is prior art.

This IDS is submitted under:

__X__ 37 CFR 1.97(b) - No Fee.

____ 37 CFR 1.97(c) - No Fee. Each item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application. This communication is dated _____, which is not more than 3 months prior to the mailing of this statement.

____ 37 CFR 1.97(c) - Fee.

____ 37 CFR 1.97(d) - Fee, Certification & Petition.

The Commissioner is authorized to charge payments of any associated fees required under 37 CFR 1.17(p) and (i) (1) to Deposit Account No. 09-0469 (IBM).

Respectfully submitted,

By: _____

Michael F. Hoffman
Registration No.: 40,019
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2171

TRANSMITTAL LETTER (General - Patent Pending)	Docket No. CHA920010006US1

In Re Application Of: Clewis et al

CLERICAL
MAR 25 2002
PATENT & TRADEMARK OFFICE

Serial No.	Filing Date	Examiner	Group Art Unit
10/038,136	10/26/2001		2171

Title: **DIRECTED NON-CYCLIC GRAPH WALKING SYSTEM AND METHOD**

TO THE ASSISTANT COMMISSIONER FOR PATENTS:

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Transmitted herewith is: **Information Disclosure Statement (IDS) Under 37 CFR 1.97**
Information Disclosure Citation (3 Pages)

in the above identified application.

- ☒ No additional fee is required.
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- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **09-0469 (IBM)** as described below. A duplicate copy of this sheet is enclosed.
  - ☐ Charge the amount of
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Michael F. Hoffman
Signature

Dated: **March 20, 2002**

Michael F. Hoffman
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I certify that this document and fee is being deposited on **March 20, 2002** with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the ~~Assistant Commissioner for Patents, Washington, D.C.~~ 20231.

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ATTY DOCKET NO.	SERIAL NO.
CHA920010[redacted]US1	10/038,136
Applicant(s): Clewis et al.	
FILING: 10/26/2001	GROUP: 2185

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,055,539	4/2000	Singh et al.			
		5,877,775	3/1999	Theisen et al.			
		5,761,667	6/1998	Koeppen			
		5,386,394	1/1995	Kawahara et al.			
		5,379,422	1/1995	Antoshenkov			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
		WO 99/08170	2/1999	WO				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Gamma, Helm, Johnson and Vlissides, "Design Patterns - Elements of Reusable Object-Oriented Software," ISBN 0-201-63361-2, pp. 293-303, 1995.
			Keqin, L., "A method for evaluating the expected load of dynamic tree embeddings in hypercubes," International Journal of Foundations of Computer Science, Vol. 11, No. 2, pp. 207-230, June 2000.

EXAMINER	DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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ATTY DOCKET NO.	SERIAL NO.
CHA920010[redacted]S1	10/038,136
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FILING 10/26/2001	GROUP

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Wagner, IA, Lindenbaum, M., Bruckstein, AM, "ANTS: agents on networks, trees, and subgraphs," Future Generation Computer Systems, Vol. 16, No. 8, pp. 915-926, June 2000.
			Wirth, HC, Steffan, J., "On minimum diameter spanning trees under reload costs," Graph-Theoretic Concepts in Computer Science, 25th International Workshop, WG'99, Proceedings (Lecture Notes in Computer Science Vol. 1665), Ascona, Switzerland, June 17-19, 1999.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

			Keqin, L., "Barrel shifter - a close approximation to the completely connected network in supporting dynamic tree structured computations," Proceedings of the IEEE 1997 National Aerospace and Electronics Conference, Dayton, Ohio, July 14-17, 1997.
			Shade, J., et al., "Hierarchical image caching for accelerated walkthroughs of complex environments," Computer Graphics Proceedings, SIGGRAPH '96, New Orleans, LA, August 4-9, 1996.

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